

# DINOVA BOSS MIX

TFORCE TECHNOLOGY ANTENNA



## Intelligent Radomized Antenna with automatic signal adjustment

- Intelligent BOSS system enhanced with TForce technology
- Higher gain with more stable signal reception
- Fully protected against corrosion
- Low power consumption



BOSS TECH



ULTRA HD 4K



LOW VISUAL  
IMPACT

Televes®

in   
[www.televes.com](http://www.televes.com) | [www.televescorporation.com](http://www.televescorporation.com)



DESCRIPTION

DINOVA BOSS MIX is a 7-element Yagi directional antenna, manufactured using Microstrip technology and High VHF telescopic rods protected by a radome. Specifically designed with a low visual impact for aesthetic assimilation.

The size and sleek design of the antenna makes it ideal for building fronts, historic buildings, protected areas and single-family homes.

DISCOVER TFORCE TECHNOLOGY:

Televes has revolutionized the concept of the antenna with the introduction of BOSS. The evolution of an intelligent device like BOSS provides antennas with the capacity to receive very weak signals without the risk of being affected by much stronger signals, thus preventing fluctuations. The

**Dynamic Range** concept turns out to be the most outstanding among quality parameters.

The creation of a BOSS device using the TForce technology, which is based on MMIC components, is an extraordinary milestone in dynamic range optimization.

The technology that once allowed the reception of lost signals from distant satellites is now allowing the enhancement of the coverage range in DTT installations.



MAIN FEATURES

The BOSS Tech system **automatically controls the level of signals received**, adjusting both higher and lower range signals concurrently to consistently provide optimal output levels.



The new design using TForce technology makes this intelligent device even more versatile:

- **HIGH DYNAMIC RANGE:**  
allows for high-quality TV reception in a wide variety of critical situations, from areas where signals are very weak to installations with very strong signal levels.
- **DTT COVERAGE AREA ENHANCEMENT**
- **VERY HIGH GAIN:**  
TForce technology provides BOSS Tech with an increase of up to 12 dB for UHF, and 14 dB for High VHF over previous generations of product.
- **A MORE STABLE RECEPTION:**  
Supports signal variations or fading without any impact on the TV installation.

Watch TForce video:  
[en.televes.com/tforce](http://en.televes.com/tforce)

REF.	DESCRIPTION	EAN 13
	DINOVA BOSS MIX	
144282	KIT: DINOVA BOSS MIX HighVHF/UHF G24/34dBi	8424450197998

## INTELLIGENT RADOMIZED ANTENNA WITH AUTOMATIC SIGNAL ADJUSTMENT



### HIGHLIGHTS

#### ■ Corrosion Resistant:

- Clamp support made of Zamak, ensuring superior stability and outdoor elemental resistance.
- Reacting Coating Process (RCP) anti-corrosion treatment on the clamp, provides resilient mounting.
- Highly resistant radome protects against salinity, humidity and other adverse weather conditions (IP 53).

#### ■ Improved High VHF response:

High VHF reception can be improved by extending the telescopic antennas in difficult reception conditions.

#### ■ Low power consumption in intelligent mode



View of the Zamak support for the clamp.

### OTHER FEATURES

#### ■ Two operation modes:

In **intelligent mode** (with power feed), BOSS provides automatic control to correct signal fluctuations and maintain optimal output signal level.

In **passive mode** (without power supply) the signal passes through unamplified.

#### ■ Mounting options for both **horizontal** and **vertical polarizations**.

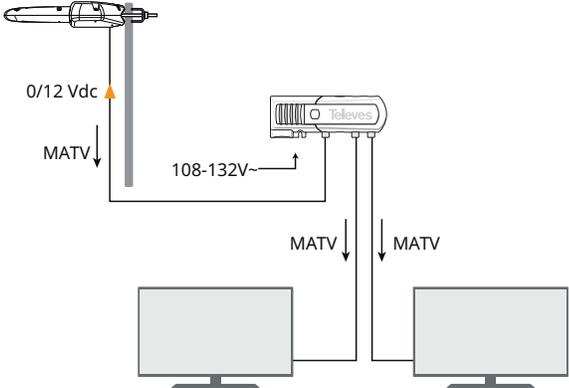
#### ■ **Easy mounting:** Kit included.

# DINOVA BOSS MIX ANTENNA WITH TFORCE TECHNOLOGY

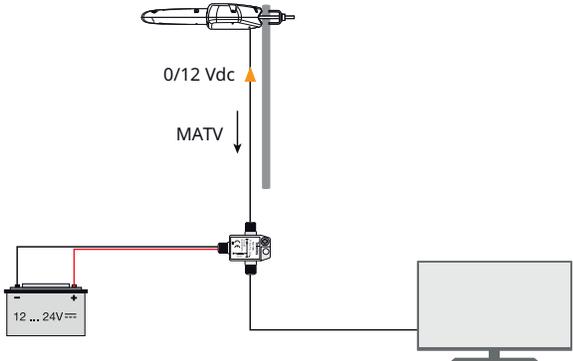
APPLICATION EXAMPLES

## INTELLIGENT MODE

With the power supply unit

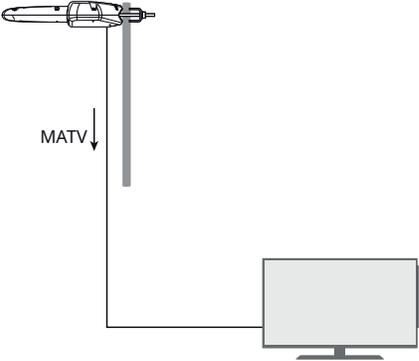


With a current injector



## PASSIVE MODE

Without power supply



## INTELLIGENT RADOMIZED ANTENNA WITH AUTOMATIC SIGNAL ADJUSTMENT



### DINOVA BOSSMIX

TECHNICAL SPECIFICATIONS

References		<b>144282</b>	
Working band	MHz	<b>174-216</b>	<b>470-698</b>
Channels		<b>7-13</b>	<b>14-51</b>
BOSS Mode		ON	ON
Maximum gain	dBi	24*	34*
Output level (DIN45004B)	dBmV	Auto	Auto
Noise figure	dB	3	2.5
Supply voltage	V <sub>DC</sub>	12 - 24	12-24
Maximum current	mA	43 - 50	43 - 50
Protection index	IP	53	
Wind load	N	70 (@ 80 Miles/h) 96 (@ 93 Miles/h)	
Weight	lb	3.6	
Dimensions (xyz)	in	16.2 x 31.3 x 2.8 (telescopic antennas extended)	

\* Gain varies automatically based on the output level.

KIT INCLUDES

- DINOVA BOSS MIX antenna (F connector)
- Indoor 2-output PSU (Ref. 550104)
- Accessories: U bolt, Bracket, 3 nuts, F connector, Watertight cover & 10mm wrench.
- User manual

